BLAUPUNKT
Bosch Telecom

AUTORADIO

Barcelona RCM 83
7 642 490 310

3 D93 240 006 GE 02/93

Schaltbild • Circuit diagramm • Schema du poste • Esquema del aparato

(D) **Weitere Dokumentationen:**
Prüf- und Reparaturmaßnahmen
Mini 13 E   3 D90 440 001

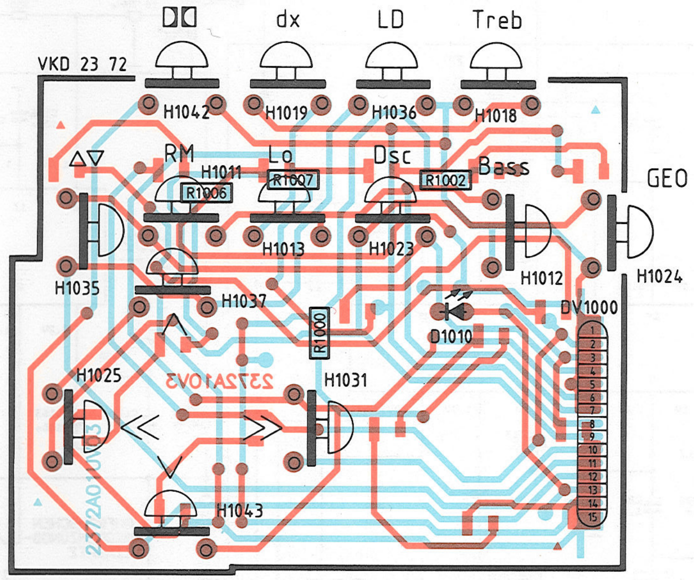
(F) **Dokumentation complémentaire:**
Mesures d'essay et de réparation mécanisme
Mini 13 E   3 D90 440 001

(GB) **Supplementary documentation:**
Measures for testing and repairs cassette mech.
Mini 13 E   3 D90 440 001

(E) **Documentación suplementaria:**
Medidas de ensayo y de reparación
Mini 13 E   3 D90 440 001

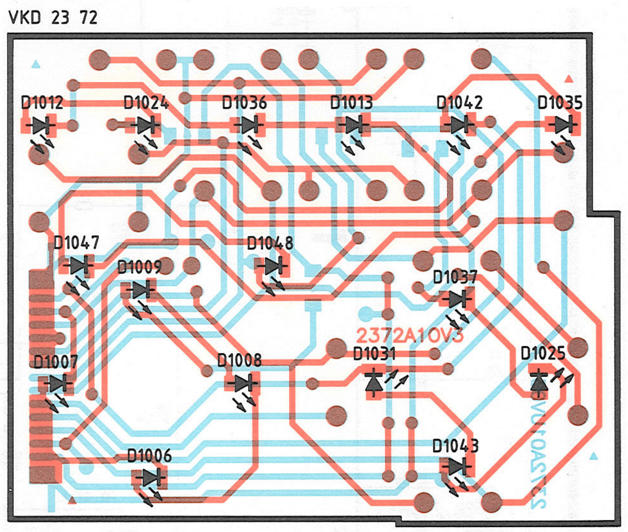
Keyboard 1

PL 47/1 + Chip



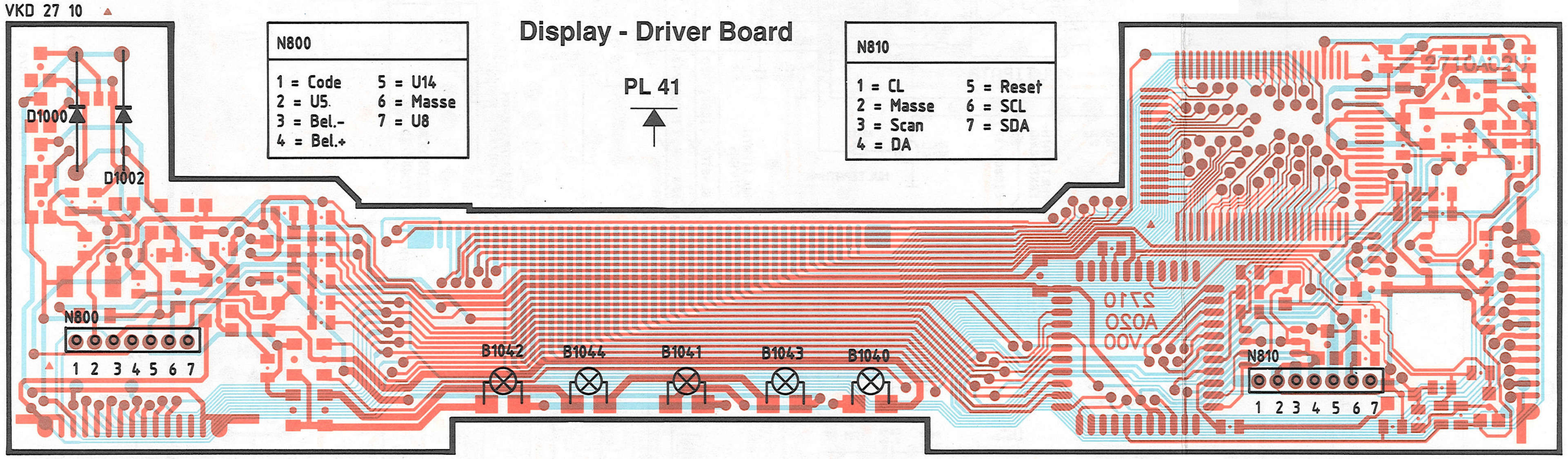
Keyboard 1

PL 47/1 Chip



Display - Driver Board

PL 41

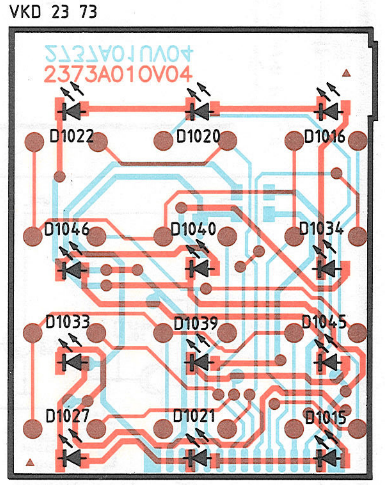


N800	
1 = Code	5 = U14
2 = U5	6 = Masse
3 = Bel.-	7 = U8
4 = Bel.+	

N810	
1 = CL	5 = Reset
2 = Masse	6 = SCL
3 = Scan	7 = SDA
4 = DA	

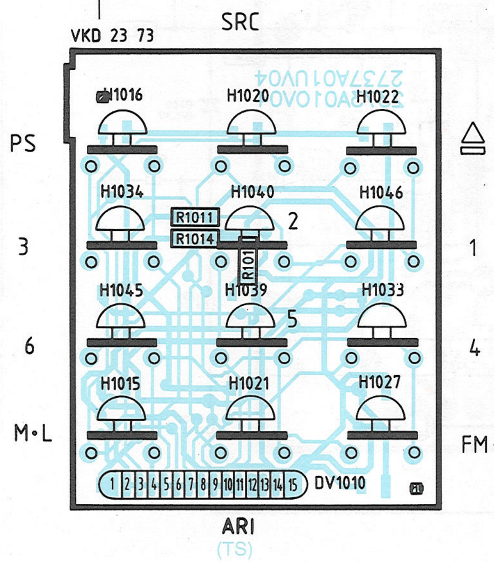
Keyboard 2

PL 47/2 Chip



Keyboard 2

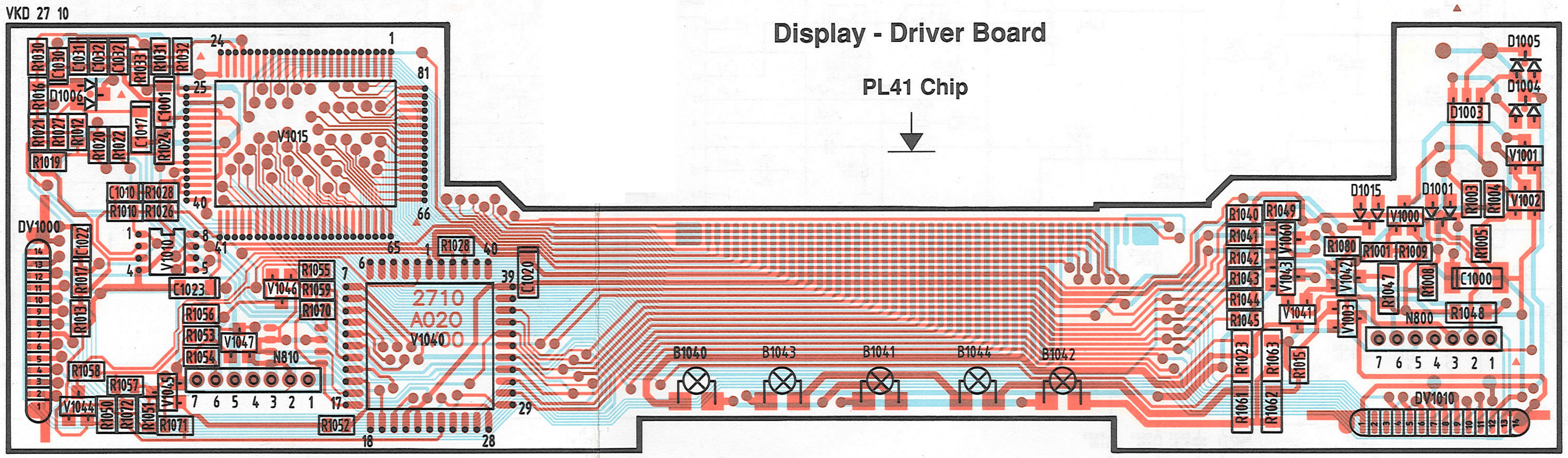
PL 47/2 + Chip



DV1000
1 = Bel. 4
2 = Bel. 4
3 = Bel. -
4 = Masse
5 = Bass, Treb, Geo, LD, Dolby
6 = Lo, DX, >>,<<, ∧,∨
7 = Lo, Bass
8 = DX, Treb
9 = >>, Geo, DSC
10 = <<
11 = ∧ , LD
12 = ∨ , Dolby, MTL
13 = Lo, DE, LED
14 = Bel. 3
15 = Bel. 3

Display - Driver Board

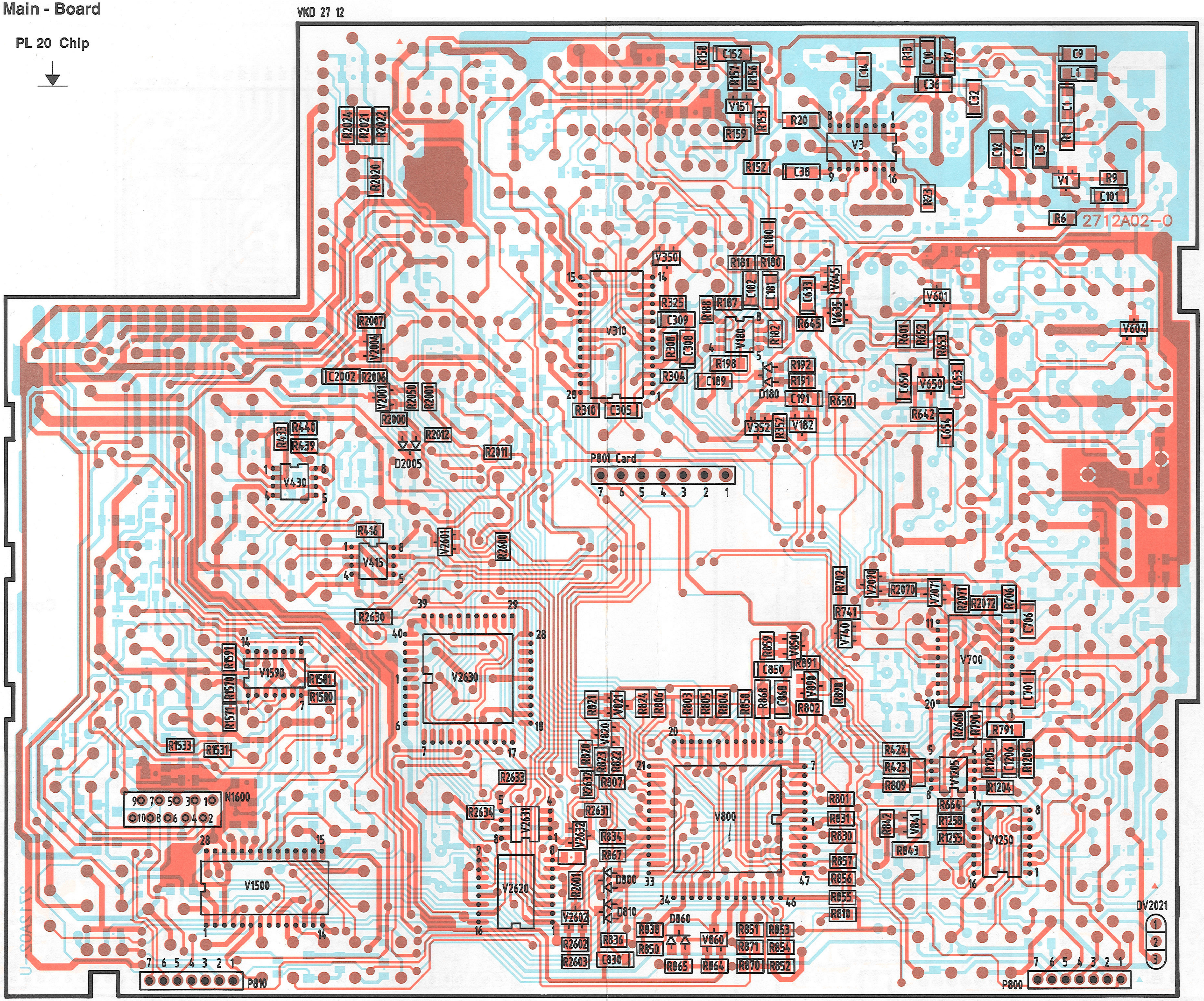
PL41 Chip



DV1010
1 = Bel. 4
2 = Bel. 4
3 = Masse
4 = M•L,ARI, 3FM-T, 4, 5, 6
5 = PS, CPS, 3, 2, 1
6 = PS, M•L, RM
7 = ARI, SRC
8 = CPS, 3FM-T
9 = 3, 4
10 = 2, 5
11 = 1, 6
14 = Bel. 3
15 = Bel. 3

Main - Board

PL 20 Chip



V3

1 = 1,1V	9 = 7,2V
2 = 1,1V	10 = 3,9V
3 = 1,7V	11 = 1,2V
4 = Masse	12 = 1,2V
5 = 4V	13 = 8,1V
6 = 1,8V	14 = 8,1V
7 = 1,2V	15 = 8,1V
8 = 1,2V	16 = 8V

V180

1 = 4,1V
2,3,5,6,7 = 3,9V

V310

2 = 1,8V	19 = 2,4V
5 = 2,5V	20 = 2,4V
6 = 1,3V	21 = 1,4V
11 = 1,3V	22 = 2,4V
12 = 3,2V	23 = 2,4V
13 = 3,2V	24 = 2,4V
14 = 8,5V	25 = 8,5V
15 = 2,4V	26 = 8,5V
16 = 2,4V	27 = 2,4V
17 = 0,6V	28 = 2,4V
18 = Masse	

V 430

1 = 2,3 V	5 = 2,3 V
2 = 2,3 V	6 = 2,3 V
3 = 2,3 V	7 = 2,3 V
4 = Masse	8 = 4,7 V

V 415

1 = 2,3 V	5 = 2,3 V
2 = 2,3 V	6 = 2,3 V
3 = 2,3 V	7 = 2,3 V
4 = Masse	8 = 4,7 V

V 1590

1 = 4,9 V	8 = 4,9 V
2 = 4,9 V	9 = 4,9 V
3 = 4,8 V	10 = 4,8 V
4 = 9,7 V	11 = Masse
5 = 4,8 V	12 = 4,8 V
6 = 4,9 V	13 = 4,9 V
7 = 4,9 V	14 = 4,9 V

V1500

2 = 8,5V
27+28 = 4,9V
1,4-5 = 4,2V

V700

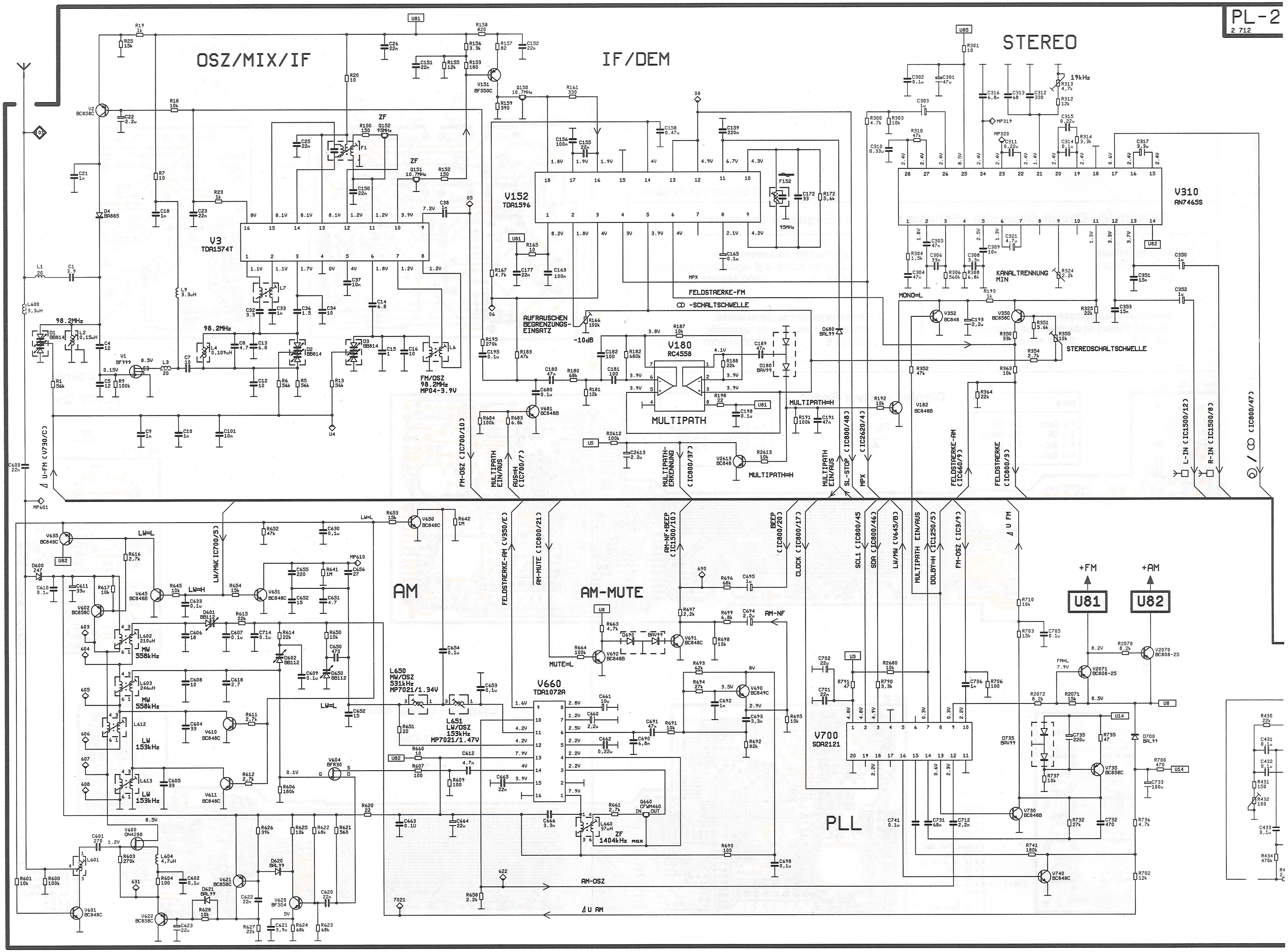
1 = 4,8V	10 = 2,2V
2 = 4,8V	11 = Masse
3 = 4,9V	12 = 2,3V
4 = Masse	13 = 0,6V
7 = 0,3V	18 = 2,2V
9 = 0,3V	20 = Masse

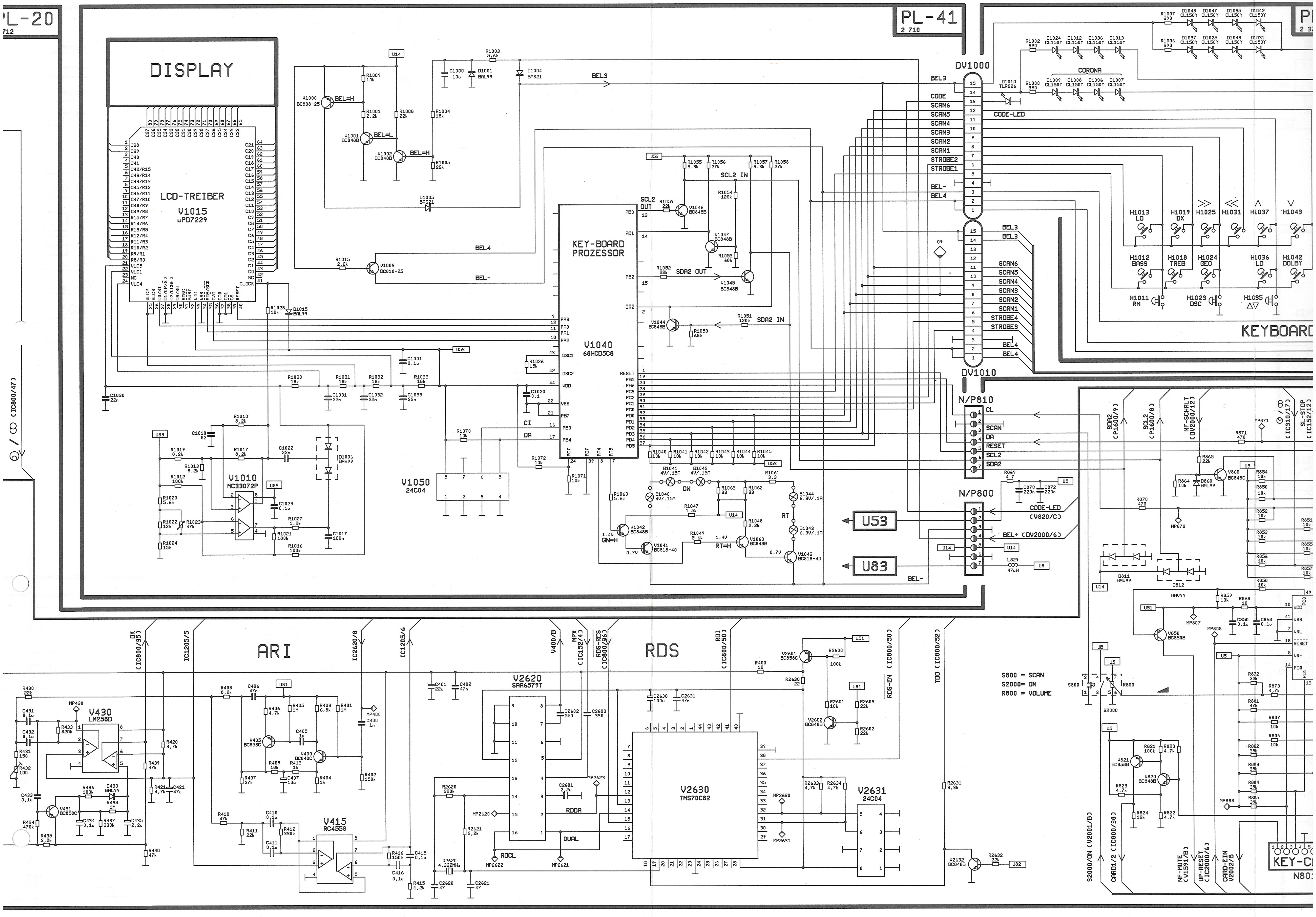
V1205

1-3,5+6 = 2,9V
4 = Masse
8 = 4,9V

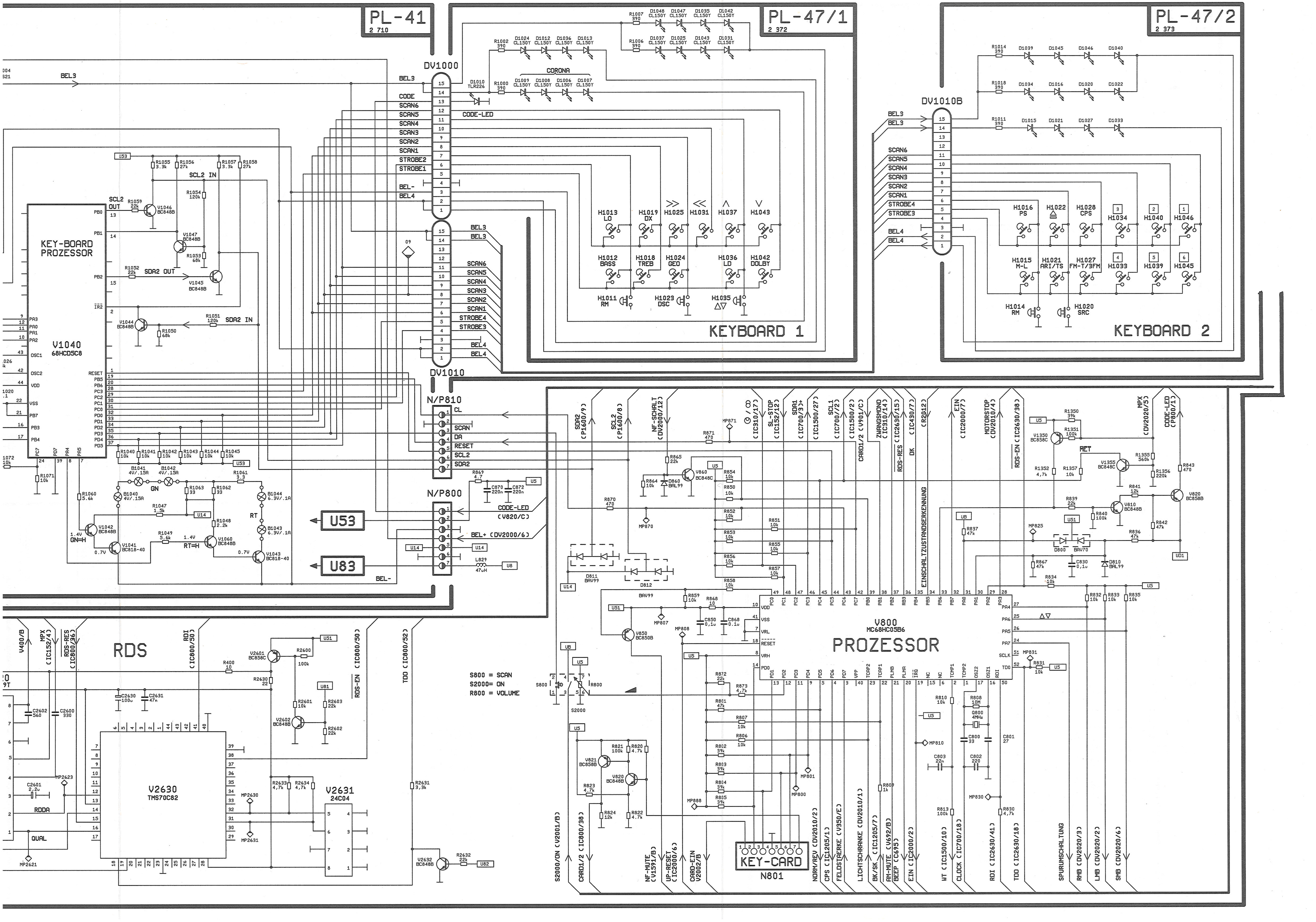
V1250

2 = 8,4V	10 = 1,3V
3 = 4V	11 = 4V
4 = 3,9V	12 = 0,4V
5 = 0,5V	13 = 0,9V
6 = 4V	14 = 4V
7 = 1,3V	

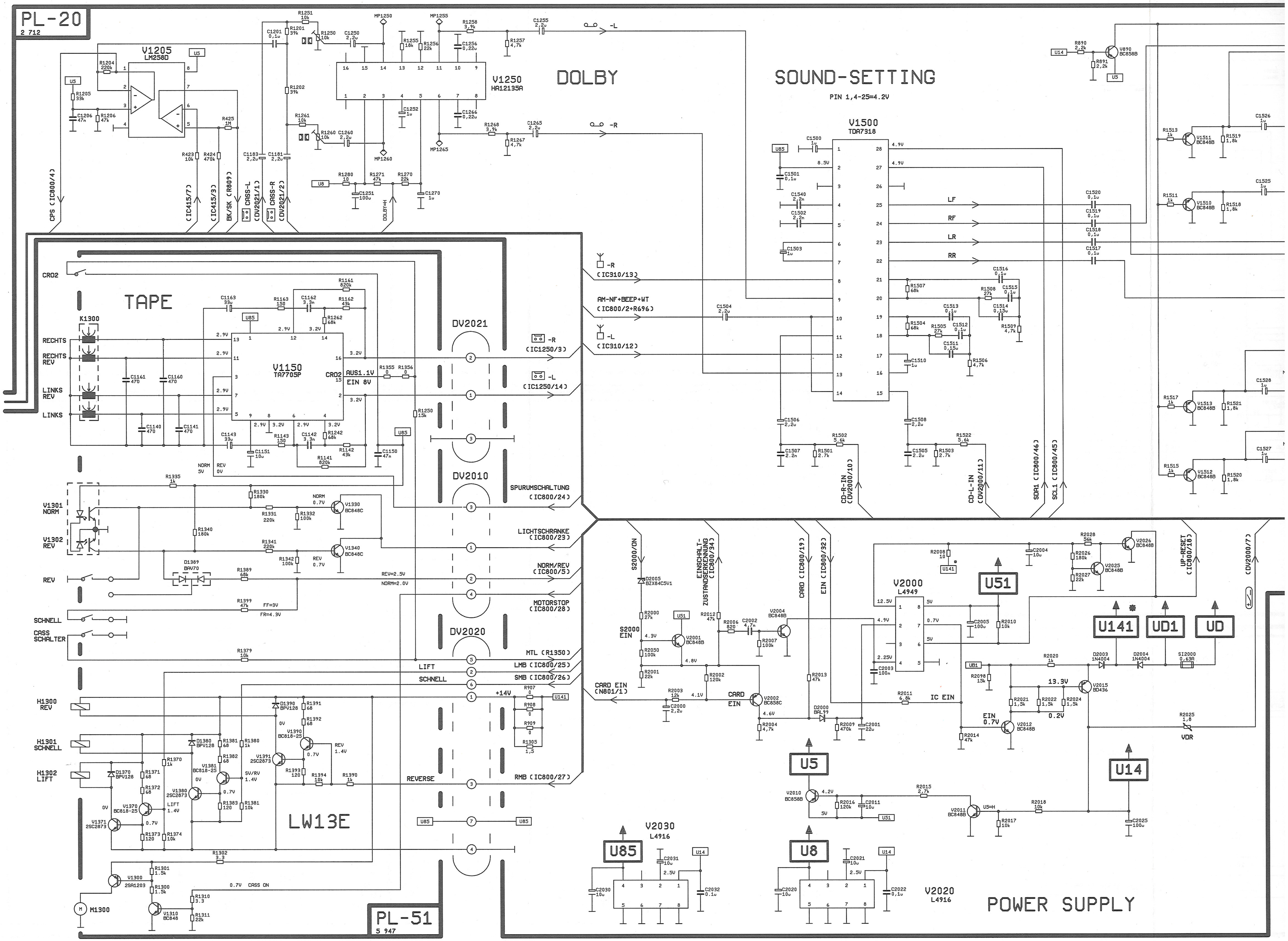

OSZ/MIX/IF
IF/DEM
STEREO
AM
AM-MUTE
PLL
V3
TDA1574T
V152
TDA1596
V310
AN7465S
V180
RC4558
MULTIPATH
V660
TDA1072A
V700
SDA2121
FM/OSZ
98.2MHz
MP04-3.9V
19kHz
KANALTRENNUNG
MIN
STEREOSCHALTSCHWELLE
FELDSTAERKE-FM
AUFRAUSCHEN
BEGRENZUNGS-
EINSATZ
-10dB
MONO=L
MULTIPATH=H
AM-NF
AM-OSZ
MUTE=L
+FM
+AM
U81
U82
L650
MW/OSZ
591kHz
MP7021/1.34V
L651
LW/OSZ
153kHz
MP7021/1.47V
ZF
1404kHz max
MW
558kHz
LW
153kHz



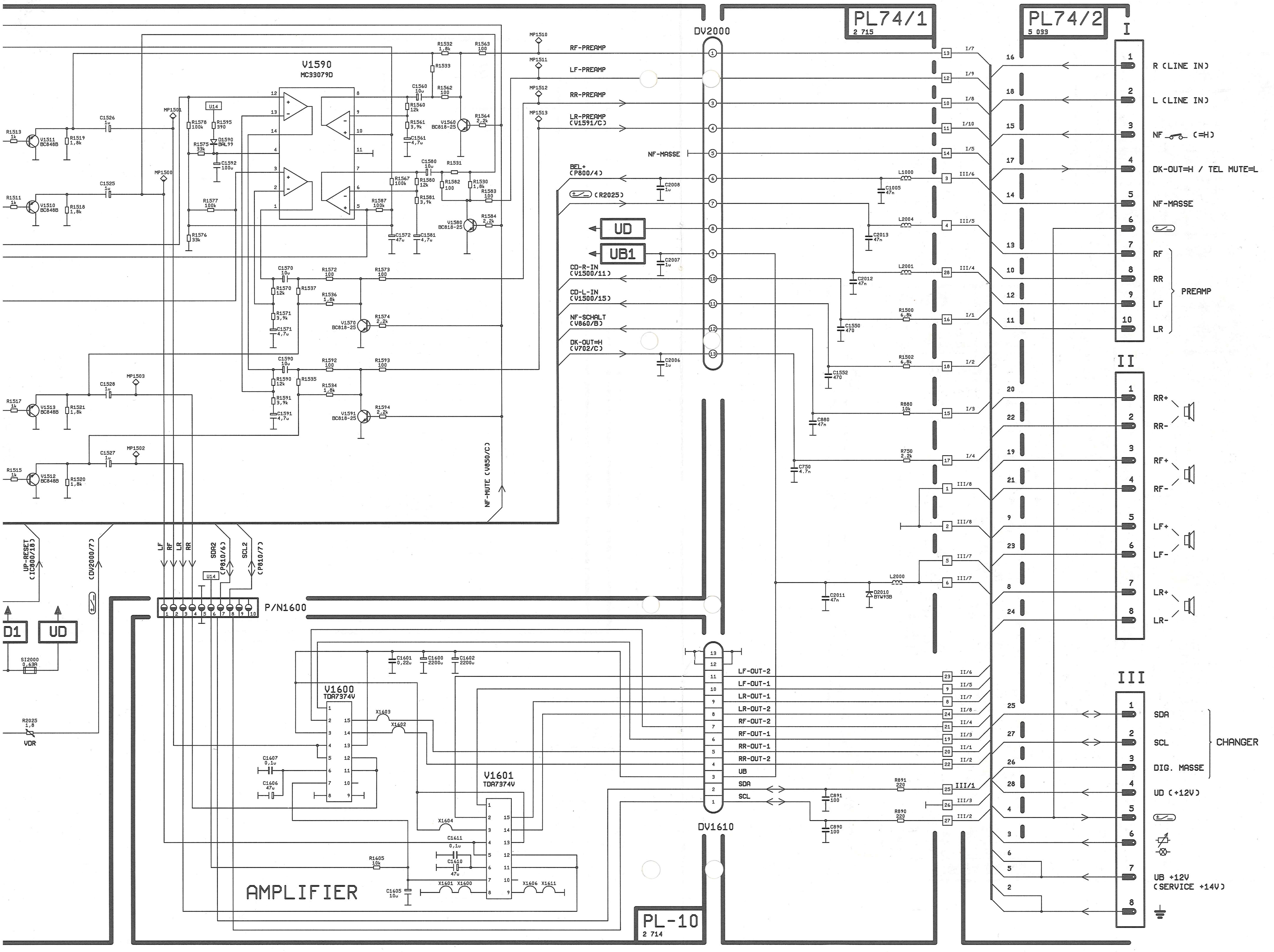
PL-20
PL-41
2 710
DISPLAY
LCD-TREIBER
V1015
uPD7229
KEY-BOARD
PROZESSOR
V1040
68HC05C8
V1010
MC33072P
V1050
24C04
DV1000
DV1010
N/P810
N/P800
U53
U83
KEYBOARD
CORONA
CODE-LED
BEL3
BEL4
BEL-
SCL2 IN
SCL2 OUT
SDA2 OUT
SDA2 IN
GN
RT
CL
SCAN
DA
RESET
SCL2
SDA2
ARI
RDS
V430
LM258D
V415
RC4558
V2620
SAA6579T
V2630
TMS70C82
V2631
24C04
S800 = SCAN
S2000= ON
R800 = VOLUME
KEY-C
N801



PL-41
2 710
PL-47/1
2 372
PL-47/2
2 373
DV1000
DV1010
DV1010B
CORONA
CODE-LED
KEY-BOARD PROZESSOR
V1040
68HCD5C8
SCL2 IN
SCL2 OUT
SDA2 OUT
SDA2 IN
BEL3
CODE
SCAN6
SCAN5
SCAN4
SCAN3
SCAN2
SCAN1
STROBE2
STROBE1
STROBE4
STROBE3
BEL-
BEL4
KEYBOARD 1
KEYBOARD 2
H1013 LO
H1019 DX
H1025
H1031
H1037
H1043
H1012 BASS
H1018 TREB
H1024 GEO
H1036 LD
H1042 DOLBY
H1011 RM
H1023 DSC
H1035
H1016 PS
H1022
H1028 CPS
H1034
H1040
H1046
H1015 M-L
H1021 ARI/TS
H1027 FM-T/3FM
H1033
H1039
H1045
H1014 RM
H1020 SRC
N/P810
CL
SCAN
DA
RESET
SCL2
SDA2
N/P800
CODE-LED (V820/C)
BEL+ (DV2000/6)
U53
U83
GN
RT
RT=H
GN=H
RDS
V2630
TMS70C82
V2631
24C04
RDDA
QUAL
V400/B
MPX (IC152/4)
RDS-RES (IC800/36)
RDI (IC800/50)
RDS-EN (IC800/50)
TDO (IC800/52)
S800 = SCAN
S2000= ON
R800 = VOLUME
V800
MC68HC05B6
PROZESSOR
KEY-CARD
N801
SDA2 (P1600/9)
SCL2 (P1600/8)
NF-SCHALT (DV2000/12)
SL-STOP (IC152/12)
SDA1 (IC700/3)
SCL1 (IC700/2)
CARD1/2 (V901/C)
ZWANGSMONO (IC310/14)
RDS-RES (IC2630/15)
DK
EINSCHALTZUSTANDSERKENNUNG
EIN (IC2000/7)
MOTORSTOP (DV2010/4)
RDS-EN (IC2630/38)
MPX (DV2020/5)
CODE-LED (P800/1)
S2000/ON (V2001/B)
CARD1/2 (IC800/38)
NF-MUTE (V1591/B)
UP-RESET (IC2000/6)
CARD-EIN V2002/B
NORM/REV (DV2010/2)
CPS (IC1205/1)
FELDSTAERKE (V350/E)
LICHTSCHRANKE (DV2010/1)
BK/SK (IC1205/7)
AM-MUTE (V692/B)
BEEP (C695)
EIN (IC2000/2)
WT (IC1500/10)
CLOCK (IC700/18)
RDI (IC2630/41)
TDO (IC2630/18)
SPURUMSCHALTUNG
RMB (DV2020/3)
LMB (DV2020/2)
SMB (DV2020/6)



PL-20
2 712
V1205
LM258D
V1250
HA12135A
DOLBY
SOUND-SETTING
PIN 1,4-25=4.2V
V1500
TDA7318
TAPE
K1300
RECHTS
RECHTS REV
LINKS REV
LINKS
V1150
TA7705P
DV2021
DV2010
DV2020
SPURUMSCHALTUNG
LICHTSCHRANKE
NORM/REV
MOTORSTOP
LIFT
SCHNELL
REVERSE
LW13E
V2000
L4949
V2030
L4916
V2020
L4916
U51
U141
UD1
UD
U5
U14
U85
U8
POWER SUPPLY
M1300
PL-51
5 947



PL74/1
2 715
PL74/2
5 033
DV2000
V1590
MC33079D
RF-PREAMP
LF-PREAMP
RR-PREAMP
LR-PREAMP
(V1591/C)
NF-MASSE
BEL+
(P800/4)
(R2025)
UD
UB1
CD-R-IN
(V1500/11)
CD-L-IN
(V1500/15)
NF-SCHALT
(V860/B)
DK-OUT=H
(V702/C)
NF-MUTE (V850/C)
I
R (LINE IN)
L (LINE IN)
NF (=H)
DK-OUT=H / TEL MUTE=L
NF-MASSE
RF
RR
LF
LR
PREAMP
II
RR+
RR-
RF+
RF-
LF+
LF-
LR+
LR-
III
SDA
SCL
DIG. MASSE
CHANGER
UD (+12V)
UB +12V
(SERVICE +14V)
UP-RESET
(IC800/18)
(DV2000/7)
LF
RF
LR
RR
SDA2
(P810/6)
SCL2
(P810/7)
U14
P/N1600
D1
UD
SI2000
0,63A
R2025
1,8
VDR
V1600
TDA7374V
V1601
TDA7374V
AMPLIFIER
DV1610
LF-OUT-2
LF-OUT-1
LR-OUT-1
LR-OUT-2
RF-OUT-2
RF-OUT-1
RR-OUT-1
RR-OUT-2
UB
SDA
SCL
PL-10
2 714

(D) LAUFWERK

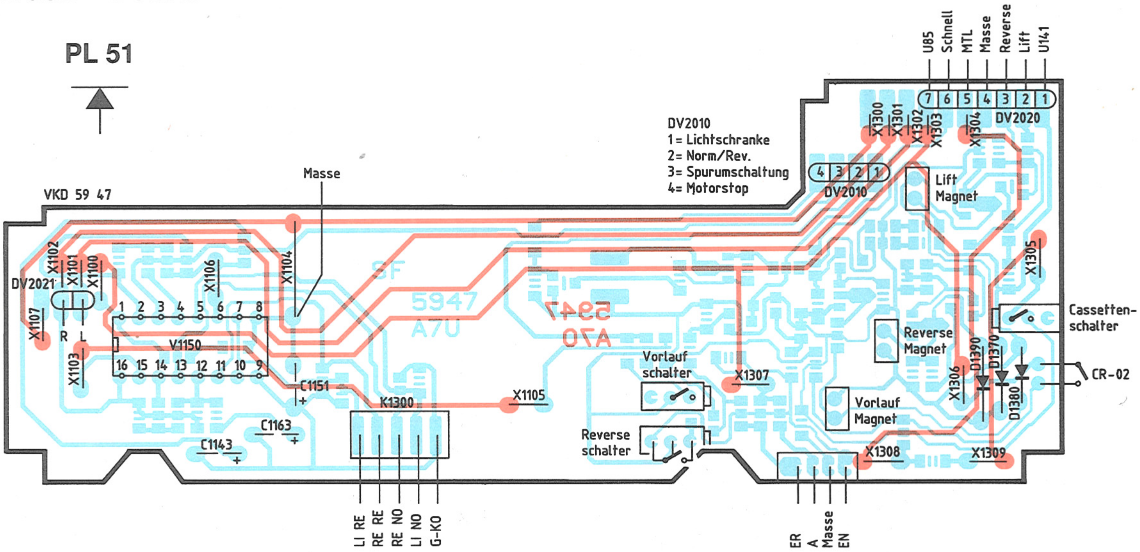
(F) MECANIQUE

(GB) MECHANISME

(E) MECANISMO

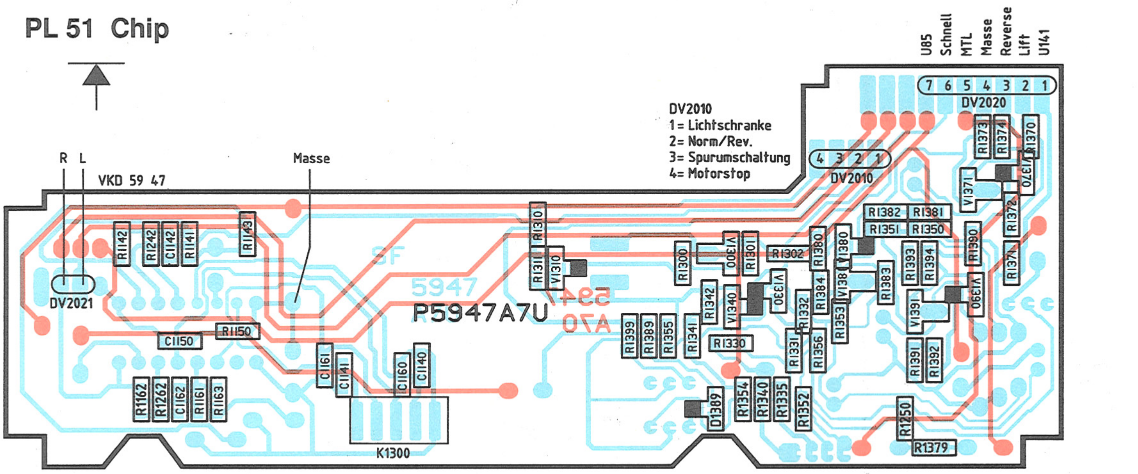
Deck - Board

PL 51



Deck - Board

PL 51 Chip



Main - Board

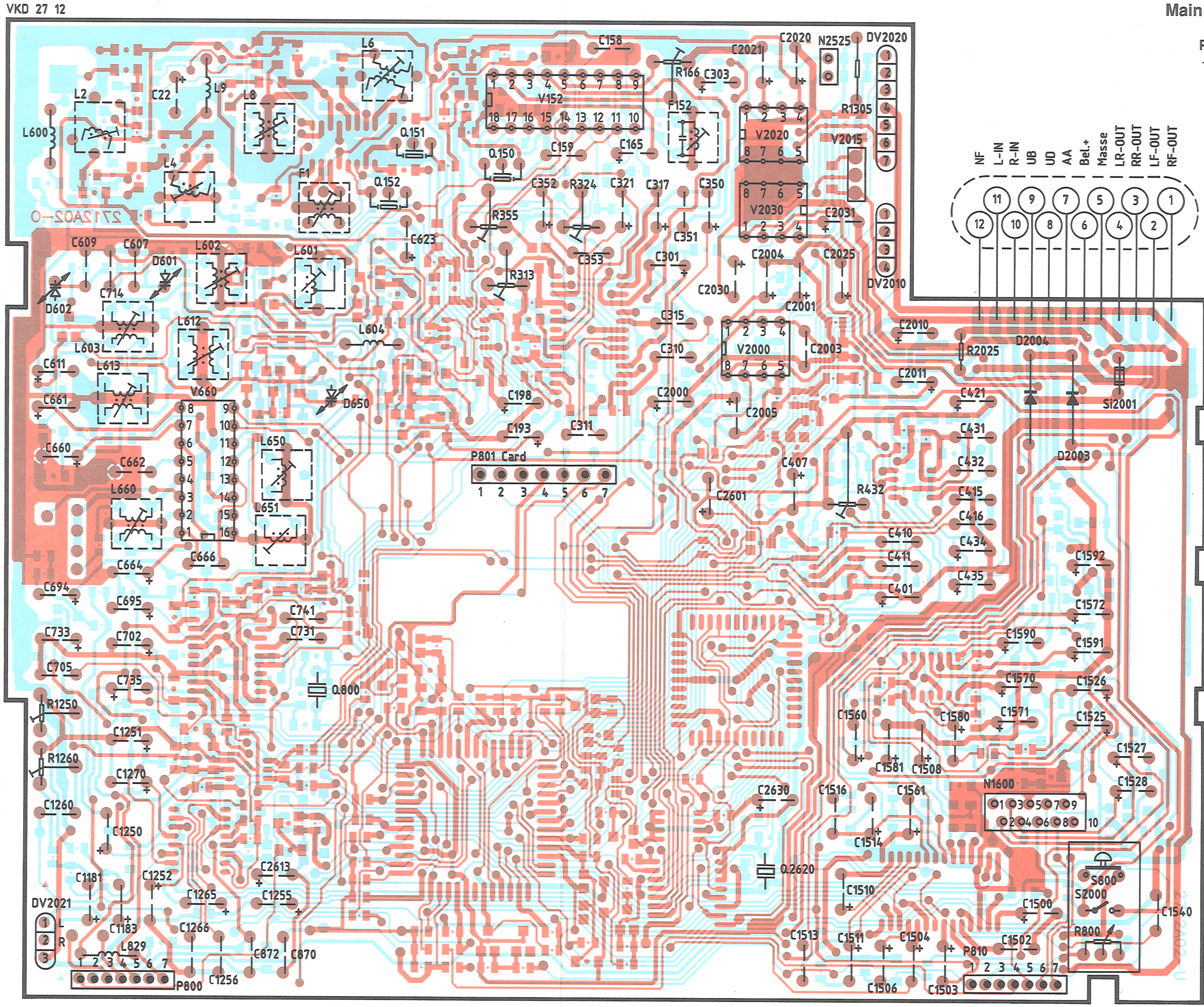
PL 20

V152

1 = 8,2V
2 = 1,8V
3 = 4V
4 = 3V
5 = 3,9V
6 = 4V
8 = 2,1V
9 = 4,2V
10 = 4,3V
11 = 6,7V
12 = 4,9V
13 = 4,9V
14 = 4V
15 = Masse
16 = 1,9V
17 = 1,9V
18 = 1,8V

V660

1 = 7,9V
2 = Masse
3 = 2,2V
4 = 2,2V
5 = 2,2V
6 = 2,5V
7 = 1,2V
8 = 2,8V
9 = 1,6V
11 = 4,2V
12 = 4,2V
13 = 7,9V
14 = 4V
15 = 3,9V
16 = Masse



V2020

1 = 14V
2 = 2,5V
4 = 8V

V2030

1 = 14V
2 = 2,5V
4 = 8V

V2000

1 = 12,5V
2 = 4,9V
4 = 2,25V
5 = Masse
6 = 5V
7 = 0,7V
8 = 5V

N1600
1 = LF
2 = RF
3 = LR
4 = RR
5 = ⊥
6 = U14
7 = SDA2
8 = SCL2
9 =
10 =

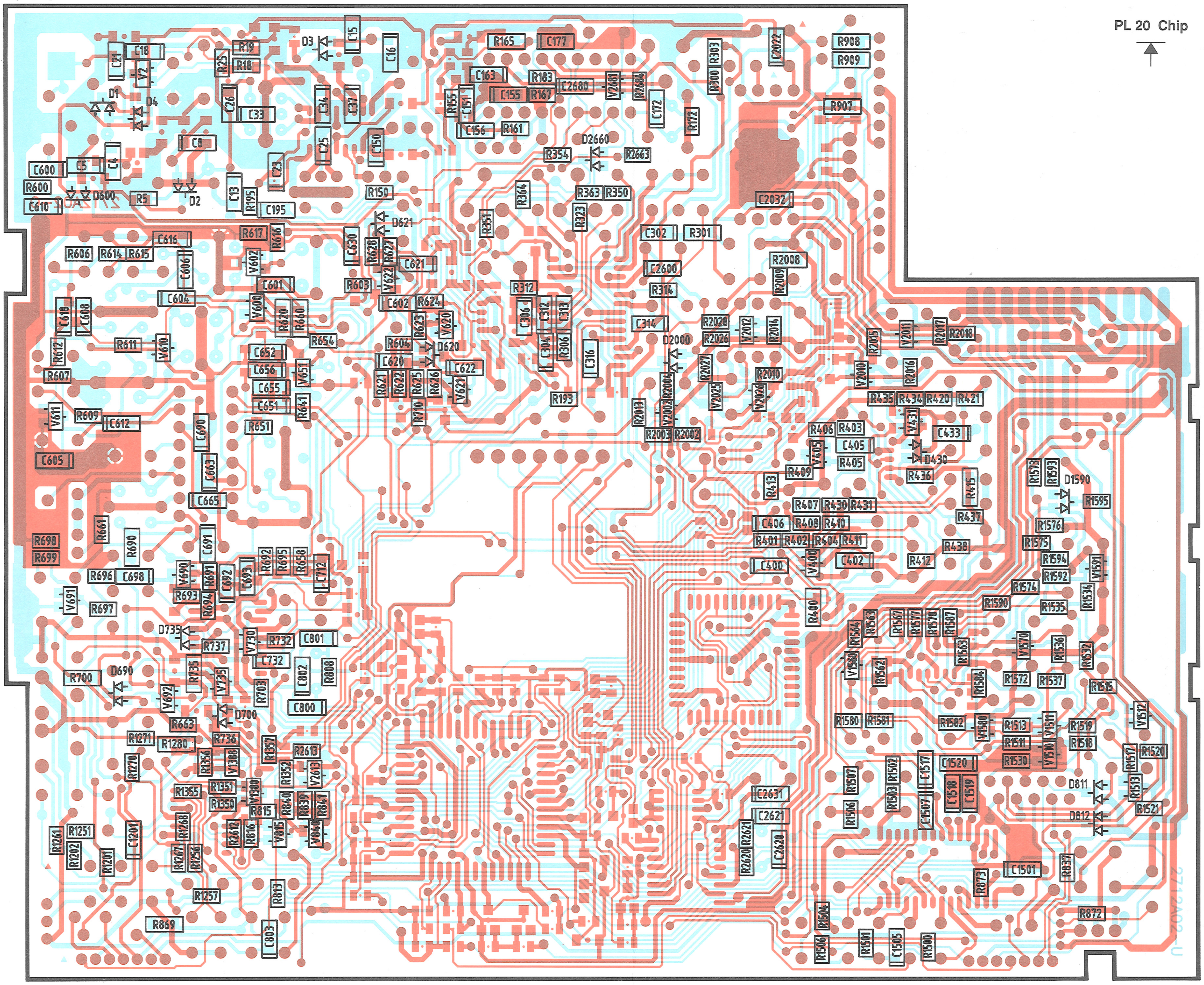
P800
1 = Code
2 = U5
3 =
4 = Bel+
5 = U14
6 =
7 = U8

P810
1 = CL
2 =
3 = SCAN
4 = DA
5 = Reset
6 = SCL2
7 = SDA2

VKD 27 12

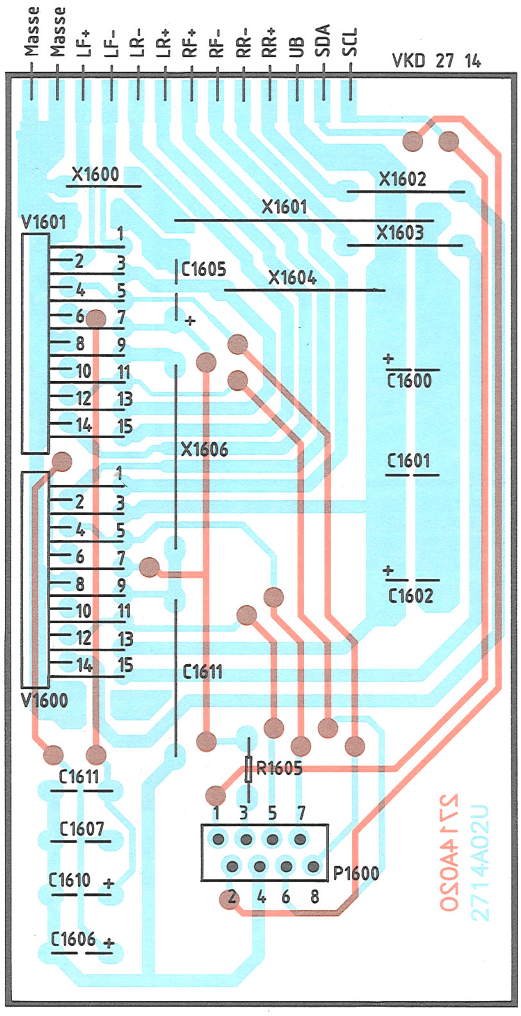
Main - Board

PL 20 Chip



AF - Board

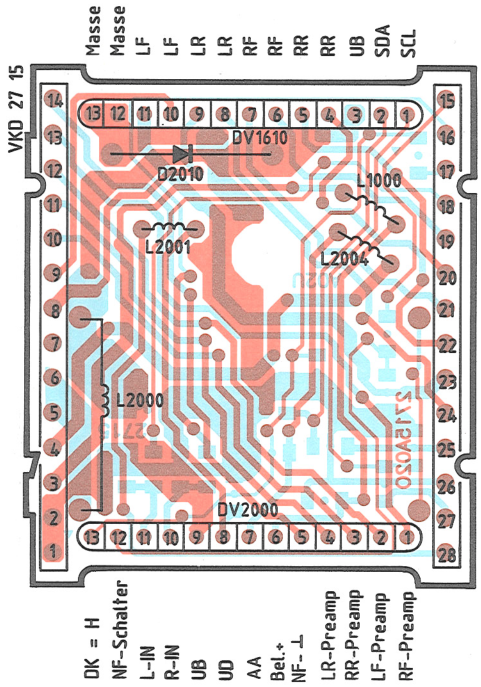
PL 10

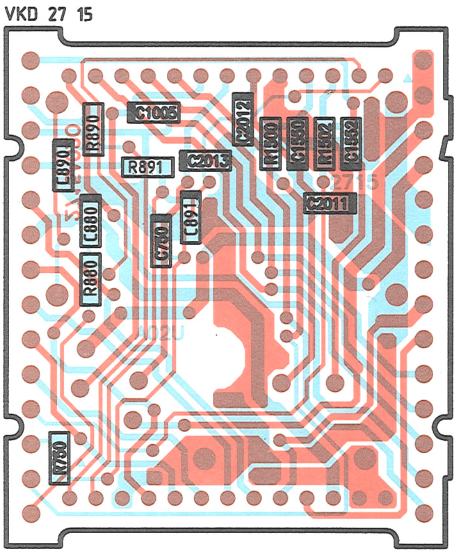


P1600	
1 = LF	5 = Masse
2 = RF	6 = U14
3 = LR	7 = SDA
4 = RR	8 = SCL

Connector - Board

PL 74



Connector - Board

PL 74 Chip